
From: Archer, Spencer <Spencer.Archer@amecfw.com>
Sent: Monday, June 12, 2017 2:05 PM
To: Zion, Rodney E CIV USARMY CENWS (US)
Cc: Reitter, Eric T; Khan, Usman; garyfulton@ferconinc.com; Huffsmith, Randy; Projectmail - Bunker Hill CTP_USACE; Bevier, Marie L
Subject: [Non-DoD Source] Bunker Hill - CTP O&M Weekly Update
Attachments: BHCTP Data.xls

Rod,

The weekly Bunker Hill Central Treatment Plant (CTP) and Kellogg Tunnel (KT) data package is attached for your review.

CTP Operations:

- Reactor pH: 8.50 standard units
- Effluent Zinc (Average): 0.284 mg/L (n = 3, June 2-7)
- 006 Effluent Turbidity (Average): 0.68 NTU (n = 7, June 6 – June 12)
- Average Lime Usage (June 5 to June 12): 4.6 tons per day
- Running Average Lime Usage (June 1 – to date): 4.8 tons per day
- Flocculant Dosage: 1.6 mg/L (slight increase due to a decrease in KT flow)

Kellogg Tunnel:

- KT Flow: Decreased to 1,785 gpm (Gravity flow 995 gpm, mine pool pumps 790 gpm)
- KT Zinc : 211 mg/L (n = 2, May 22 - 25)
- KT pH: 2.78 (n = 4, June 1 – June 12)
- No mine pool pump changes to report. It is AmecFW's understanding that the mine owner intends to keep the mine pool pumps running until further notice.

Lined Pond:

- Current Volume: 2.25 MG, no lined storage pond pumping events scheduled at this time.

Additional Items:

- Lime Feed System B failed 06-04-17, the lime feed auger failed. Motor coupler replaced 06-05-17. Lime feed auger cleaned, tested and returned to service on 06-05-17.
- Lime injection pipe #1 located at the Rapid Mix Tank has failed. Replaced, tested and returned to service on 06-06-17
- Lime system B with Peter Lien & Son's lime placed into standby mode on 06-07-17, lime system A placed into service. Graymont lime load will be ordered and placed into silo A for Friday June 16th.
- Lime silo B dust control system motor failed 5/25/17. Scheduled for electrical connection and testing 06-14-17.

Please let us know if you have any questions,

Thanks,

Spencer Thomas Archer, PE

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